

In the claims:

For the Examiner's convenience, all pending claims are presented below with changes shown. Please cancel claims 1-12, 14-16 and 22-29 without prejudice.

1-29 (Cancelled)

30. (New) A method comprising:

receiving data an interface from a service;
identifying at the interface whether the data is an electronic mail (email) message or address book data;

applying a first set of code words to encode data in the email message; and
applying a second set of code words to encode the address book data;

31. (New) The method of claim 30 further comprising transmitting the encoded data in the email message from the interface to a wireless processing device.

32. (New) The method of claim 31 further comprising transmitting the encoded data in the address book from the interface to a wireless processing device.

33. (New) The method of claim 30 further comprising:

identifying a header field within the email message;
applying the first set of code words to encode data in said header field; and
applying a third set of code words to encode data in the remainder of the email message.

34. (New) The method of claim 33 further comprising transmitting the encoded data in the header field and the remainder of the email message from the interface to a wireless processing device.

35. (New) The method of claim 33 further comprising transmitting only the encoded data in the header field from the interface to a wireless processing device.

36. (New) The method as in claim 30 further comprising:

generating the first set of code words based on the frequency with which character strings represented by the code words are found within the email message; and

generating the second set of code words based on the frequency with which character strings represented by the code words are found within the address book.

37. (New) The method as in claim 36 wherein character strings which are relatively more common within the email message are represented by relatively shorter code words in the first set of code words and character strings which are relatively more common within the address book are represented by relatively shorter code words in said second set of code words.

38. (New) A method comprising:

identifying at a wireless processing device whether data to be transmitted is an electronic mail (email) message or address book data;

applying a first set of code words to encode data in the email message; and

applying a second set of code words to encode the address book data;

39. (New) The method of claim 38 further comprising the wireless processing device transmitting the encoded data in the email message to a messaging service.

40. (New) The method of claim 38 further comprising the wireless processing device transmitting the encoded data in the address book to a messaging service.

41. (New) The method of claim 38 further comprising:
identifying a header field within the email message;
applying the first set of code words to encode data in said header field; and
applying a third set of code words to encode data in the remainder of the email message.
42. (New) The method as in claim 38 further comprising:
generating the first set of code words based on the frequency with which character strings represented by the code words are found within the email message; and
generating the second set of code words based on the frequency with which character strings represented by the code words are found within the address book.
43. (New) A system comprising:
a service to provide messaging and groupware services;
an interface, coupled to receive message data from the service, including a compression module to identify whether the message data is an electronic mail (email) message or address book data, apply a first set of code words to encode data in the email message and apply a second set of code words to encode the address book data.
44. (New) The system of claim 43 wherein the interface further transmits the encoded data in the email message to a wireless processing device.
45. (New) The system of claim 43 wherein the interface further transmits the encoded data in the address book from to a wireless processing device.

46. (New) The system of claim 43 wherein the interface further comprises a cache to store the message data.

47. (New) The system of claim 46 wherein the cache comprises:
a first queue to store message data to be transmitted to the wireless device; and
a second queue to store message data received from the wireless device.

48. (New) A wireless processing device comprising a compression module to identify whether message data to be transmitted to a messaging service is an electronic mail (email) message or address book data, apply a first set of code words to encode data in the email message and apply a second set of code words to encode the address book data.

49. (New) The wireless processing device of claim 48 further to transmit the encoded data in the email message to the messaging service.

50. (New) The wireless processing device of claim 48 further to transmit the interface further transmits the encoded data in the address book from to the messaging service.

51. (New) The wireless processing device of claim 48 further comprising.
a first queue to store message data to be transmitted to the messaging service; and
a second queue to store message data received from the messaging service.